

### 30 New Pesticide Active Ingredients Registered in 2005

DPR registered 30 new pesticide active ingredients in 2005. They included nine designated as reduced-risk chemicals. The U.S. Environmental Protection Agency uses the “reduced-risk” designation to highlight pesticides that offer lower toxicity, allow lower application rates, or possess other desirable qualities in comparison to traditional chemicals. California currently has about 900 registered pesticide active ingredients used in approximately 11,000 pesticide products.

Common Chemical Name	Major Use(s)	Remarks (RR= Reduced Risk)
2,4-D, Triisopropylamine salt	Commercial use turf herbicide – broadleaf weeds	“Primera Triplet Low Odor”
3, 13 Octadecadien-1-yl Acetate	Agricultural pheromone – lepidopteran pests on almonds, stone fruit	RR, biochemical, “Isomate-P Pheromone”
Aspergillus flavus strain AF36	Agricultural biofungicide - cotton	RR, microbial, “Aspergillus Flavus AF 36”
Bacillus subtilis MBI600	Agricultural biofungicide – alfalfa, cotton, legumes, wheat	RR, microbial, “Subtiliex Biological Fungicide”
Famoxadone	Agricultural fungicide – cucurbits, lettuce, peppers, potatoes, tomatoes	“Dupont Tanos Fungicide”
Flonicamid	Ornamental insecticide – greenhouse and outdoor-grown ornamentals	“Aria Insecticide,” “F1785 GH 50 WG Insecticide,” “Technical Flonicamid Insecticide”
Fluroxypyr	Broadleaf herbicide - turf and non-crop areas	“Spotlight”, “Vista”
Fluroxypyr, 1-methylheptyl ester	Broadleaf herbicide -turf	“Riverdale Escalade,” “Riverdale Escalade Low Odor”
Foramsulfuron	Grassy weed herbicide - turf	“Revolver Herbicide”
Forchlorfenuron	Agricultural plant growth regulator – grapes, kiwi	RR, “ABG-3207 Plant Growth Regulator,” “KT-30 Plant Growth Regulator,” “KT-30 Technical,” “Prestige Plant Growth Regulator” (formerly EUP)
Formic acid	Agricultural miticide - Varroa mites in beehives	“Mite-Away II Single Application Formic Acid Pad”
Gamma-cyhalothrin	Agricultural insecticide – field and row vegetables, alfalfa, tree nuts, stone fruits, tomatoes, wheat	“Proaxis Insecticide”
Hypochlorous Acid	Hard non-porous surface antimicrobial - homes, hospitals, institutions	“Cidalcyn Disinfectant”, “Oculus Microcyn Disinfectant (OMD),” “Puracyn Broad-Spectrum Disinfectant”

Imazapic, ammonium salt	Nonselective herbicide - turf	“Roundup Concentrate Extended Control Weed & Grass Killer Plus Weed Preventer”
Imazapyr	Broadleaf herbicide - non-crop areas	“Imazapyr – EZJect” (old new ai)
Lauryl sulfate	Personal use insect repellent	DEET alternative, “CVS Fresh Scent Insect Repellent DEET-Free”
MCP-P, potassium salt	Broadleaf herbicide - turf	“Chem-Weed”
Orthosulfamuron	Nonselective agricultural herbicide - rice	“IR5878 0.5 GR,” “IR5878 50 WG,” Experimental use only
Penoxsulam	Nonselective agricultural herbicide - rice	“Granite GR,” “GF-881 Manufacturing Use Concentrate”
Picaridin	Personal use insect repellent	DEET alternative, “KBR 3023 Technical,” “Off! Skintastic X Insect Repellent,” “Cutter Advanced Insect Repellent,” and others
Polyhedral inclusion bodies of Douglas Fir Tussock Moth Nuclear polyhedrosis virus	Manufacturing use bioinsecticide – USDA programs only	RR, microbial, “TM Biocontrol-1”
Polyhedral occlusion bodies (OBs) of the nuclear polyhedrosis virus of <i>Spodoptera exigua</i>	Agricultural and ornamental bioinsecticide	RR, microbial, “SPOD-X LC Biological Insecticide”
Propylene glycol monolaurate	Agricultural miticide – tree fruits, nuts, berries, grapes, tomatoes, cucurbits	RR, concurrent evaluation with USEPA, “Acaritouch”
Pyrimethanil	Agricultural fungicide – fruit wash - stored pome fruits, citrus fruits	“Penbotec 400SC,” “FreshGard Penbotec 400,” and others
Sodium carbonate peroxyhydrate	Nonagricultural fungicide/algicide – golf course turf	“TerraCyte”
Spiromesifen	Agricultural and ornamental insecticide/miticide – field grown vegetables, greenhouse ornamentals, landscape ornamentals	RR, concurrent evaluation with USEPA, “Oberon 2SC Insecticide,” “Forbid 4F Ornamental Insecticide/ Micide,” and others
<i>Streptomyces lydicus</i> WYEC 108	Agricultural and greenhouse biofungicide – turf, ornamentals, vegetables	RR, microbial, “Actinovate SP”
Thiacloprid	Agricultural insecticide – pome fruits	“Calypso 4 Flowable Insecticide”

Tralkoxydim	Agricultural herbicide – barley and wheat	“Achieve Liquid,” old new active ingredient
Trifloxysulfuron-sodium	Agricultural and non-agricultural nonselective herbicide – almonds, citrus, cotton, ornamental turf, golf courses, sod farms	“Envoke Herbicide,” “Monument 75 WG Herbicide”